

Alaska Coastal Management Program

Statewide Conference – Marine Transportation and Shipping

Alaska Regional Ports

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US Army Corps of Engineers
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Agenda

- Marine transportation successes
- Ongoing work
 - Economic evaluation of subsistence
 - Rock quarry findings
 - Climate change effects on transportation
- The Path Forward



Marine transportation successes

- Constructed Harbor Projects or Phases

	Project Cost (\$000)	Basin Size (acres)	Approx # of Vessels Accommodated
Unalaska Hbr – Phase 1	8,900	16.8	75
Douglas Hbr – Phase 1	4,300	5.5	72
False Pass Harbor	23,000	5.2	88
Saint Paul Harbor	21,000	3.3	60



Unalaska Harbor



Douglas Harbor



False Pass Harbor

Marine transportation successes (Cont.)

- Constructed Harbor Projects or Phases

	Project Cost (\$000)	Basin Size (acres)	Approx # of Vessels Accommodated
Chignik Harbor	8,800	4.8	70
Seward Breakwater Extension	4,164	11.7	346



Seward Breakwater Extension



Marine transportation Success Stories

- Ongoing Construction Projects

	Project Cost (\$000)	Basin Size (acres)	Approx # of Vessels Accommodated
Akutan Harbor	31,897	14.9	58
Douglas Floating Breakwater – Phase 2	1,770	See Table Above	
Unalaska Floating Breakwater – Phase 2	12,526	See Table Above	



Akutan Harbor Site



Marine transportation Success Stories

- Projects in Design
 - Haines Harbor Expansion
 - Valdez Harbor
 - Port Lions (on hold pending funding)



Marine transportation success stories

- Ongoing Harbor Studies

	Reconnaissance	Feasibility
Craig	X	
Kasaan	X	
Sitka	X	
AK Regional Ports		X
Elim		X
Homer (on hold)		X
Little Diomedes		X
Savoonga		X
Whittier		X
Anchorage Harbor Deepening		X
X – Denotes limited funding		



Marine transportation success stories

- Data Collection and Analyses
 - Western Alaska Hindcast Study
 - Western Alaska Storm-Induced Water Level Prediction
- Alaska Ocean Observing System (AOOS)
 - Multi-agency Initiative: DEC, F&G, DNR, Universities, USGS, USCG, Corps, USFWS, USFS, BOEMRE, and others
 - Building network of observation platforms and forecast models
- Coordinating planning and engineering efforts
 - State coastal engineers, University of Alaska, U.S. Navy



Accountability to 2008/2010 Alaska Regional Ports and Harbors Conferences Action Items

- Goal - Develop long-range comprehensive ports and harbors plan
- Commitment to:
 - Ongoing collaboration and comprehensive planning
 - Engage in effective communication
 - Leadership
- Completed Actions
 - Finalize reconnaissance report
 - Begin Statewide regional ports Feasibility Study
 - Comprehensive list of navigational improvement needs
- Ongoing Actions
 - Discussing regional studies with potential sponsors
 - Initiating an Arctic Deep Draft Navigation Study



Capitalizing on Federal Policy Interpretations

- Subsistence Benefit Evaluation
 - Historically undervalued economic benefit
 - Partnered with Kawerak to study quantifiable value of subsistence activities
 - Will culminate in economic model which captures nuances of subsistence
- Watershed/Systems Approach
 - Harbors function as a system
- Streamline Planning Process



Improve Project Development Process

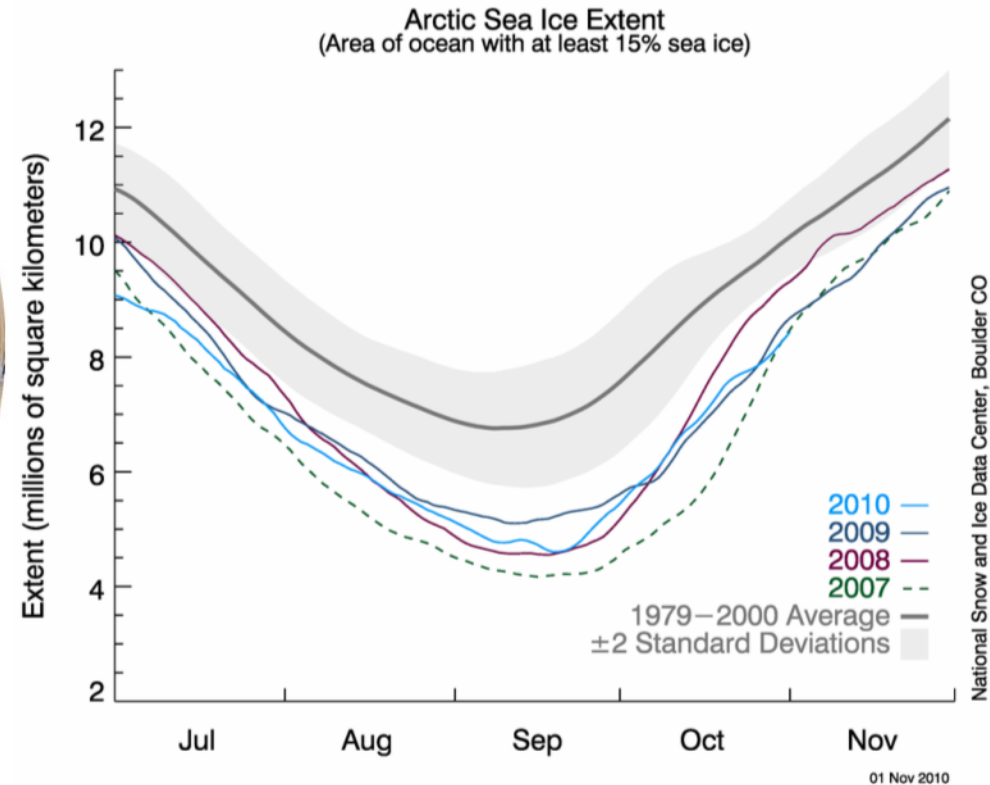
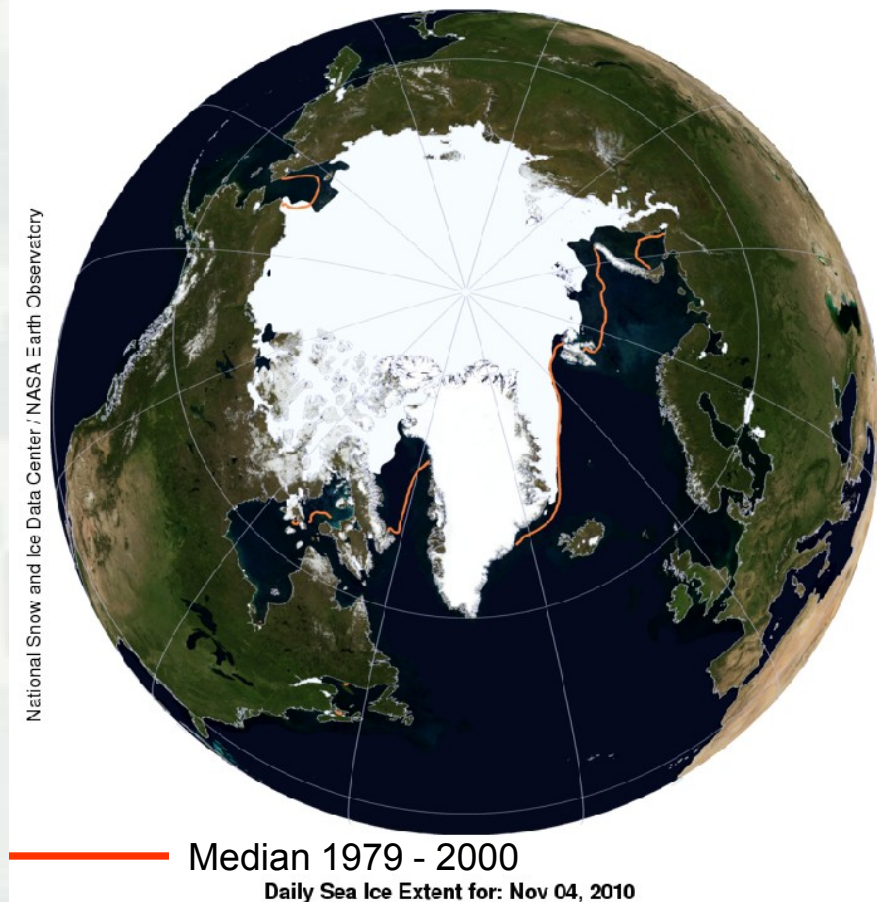
- Rock Quarry Investigation
 - Partnered with State explore new quarry development
 - Joint quarry development
 - Evaluate improvements to Corps permitting process
- Contracting Options
 - Notice to Proceed – specify multi-year time frame
 - Separable construction components (contracts)
- Shared Projects
 - Local, State, USCG, Corps, Navy, etc
 - Shared use and costs



Climate Change Effects on Marine Transportation

Northern Sea Route

- Changing Ice extent, duration, thickness



Committee for Marine Transportation Systems

- Develop and implement national MTS policies
- Interagency partnership of four lead MTS agencies
 - US Army Corps of Engineers (MG William Grisoli, Chair)
 - National Oceanic and Atmospheric Administration
 - Maritime Administration
 - U.S. Coast Guard
 - Over twenty agencies or departments represented
- 2010 Work Plan Tasks – Integrated Action Teams (IATs)
 - MTS National Strategy
 - Assessment of the MTS
 - Maritime Data Coordination and Information Management
 - Navigation Technology Integration & Coordination



Corps Waterfront Development Programs

- General Investigations
 - Specifically Authorized
- Continuing Authorities Program
 - Section 107 for small navigation projects (ON HOLD)
- Planning Assistance to States
- Tribal Partnership
- Interagency and International Support



Questions ?

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